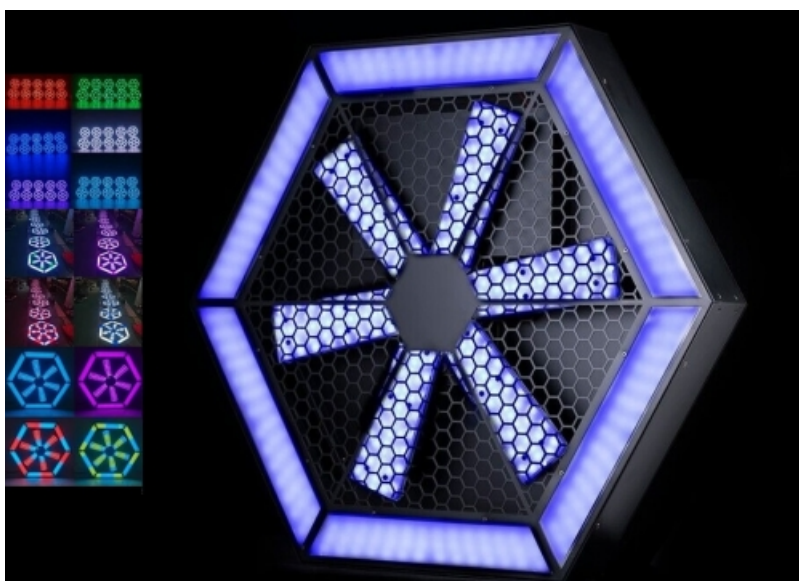


USER MANUAL

Six arm background fan, 576x SMD RGB LEDs, DMX

LED587



Code LED587

1 About this manual

This user manual applies to the product Six arm background fan, 576x SMD RGB LEDs, DMX (code LED587).

Read this manual carefully before installing the product and putting it into operation for the first time, follow all of its instructions, and keep it for future reference. If you pass the product on to another person, include this manual.

Safety notices are marked with signal words according to the severity of the hazard: DANGER – an imminent hazard that will result in death or serious injury; WARNING – a potential hazard that could result in death or serious injury; CAUTION – a potential hazard that could result in minor injury or property damage; NOTE – additional information for correct and safe use.

NOTE This product is designed for stage and effect lighting. It is not suitable for household room illumination.

2 Safety instructions

WARNING

- This device is intended for professional use. Installation, connection, setup and maintenance must be carried out only by suitably qualified persons who have read this manual.
- Use the device only for its intended purpose and as described in this manual.
- Do not open the housing and do not modify or tamper with the device. Refer all repairs to an authorized service center.
- Do not use the device if its housing, power or data cable, or a connector is damaged, if the device has been dropped, or if liquid or a foreign object has entered it. In such a case, have it checked by a service center.
- Disconnect the device from the power supply before cleaning, maintenance or any work on the connections.
- After moving the device from a cold to a warm environment, let it reach room temperature before switching it on to prevent condensation inside.
- The device is not a toy; keep it out of the reach of children.

WARNING

- Connect the device only to a properly installed mains outlet with a protective earth (ground) contact. The outlet or other means of disconnection must remain easily accessible.
- Power supply: 230 V AC, 50/60 Hz, PowerCon IN/OUT. Before connecting, make sure that the mains voltage matches this value and the value on the rating plate of the device.
- Do not connect the device to a dimmer or to a dimmed circuit.
- Use only the original power cable or a cable with identical ratings. Protect the cable from damage, do not run it over sharp edges, and never unplug it by pulling on the cable.
- When connecting several devices to one circuit, do not exceed its permitted load.
- Do not touch the device with wet hands.

WARNING

- This device is designed for indoor use only. Protect it from rain, splashing water, moisture and dust, and do not place containers with liquids on it.
- Ingress protection rating: IP20.
- Do not operate the device in high humidity, near water, or where condensation can form on it.

CAUTION

- This device emits intense light. Do not look directly into the light source or the beam at close range; doing so may damage your eyes.
- Do not aim the beam at the eyes of people or animals at close range, and do not view the light source through optical instruments (binoculars, camera lenses).
- Do not aim the beam at flammable or heat-sensitive materials at close range.

CAUTION

- Strobe and fast flashing light effects can trigger epileptic seizures in susceptible people (photosensitive epilepsy) and can cause nausea or disorientation.
- Inform the audience and performers in advance that strobe effects will be used, for example with a notice at the entrance, and do not use them longer than necessary.

3 Installation

WARNING

- Rigging must be carried out only by qualified persons in accordance with applicable regulations, in particular those for work at height.
- The supporting structure and fixings must safely carry the weight of all suspended devices; verify their load capacity in advance.
- Weight of the device: 10.7 kg.
- Use suitable mounting hardware (for example truss clamps) and tighten all screw connections properly.
- Always secure the suspended device against falling with a safety cable of adequate load capacity, routed through a fixed point of the device and around the supporting structure.
- During installation and removal, keep people out of the area below the work position.
- Regularly inspect the fixings and the safety cable for damage, corrosion and loosening.

4 Connections

CAUTION

- The power output of the device can supply further devices connected in a chain.
 - The total current drawn by all devices connected this way must not exceed the rating of the connectors, the cables or the circuit breaker of the supply circuit.
 - If you connect devices of a different type, add up the power consumption of all devices in the chain.
-
- Use shielded cable designed for DMX512 with an impedance of 110 Ω . Ordinary microphone cable is not suitable for DMX, especially over longer distances.
 - Connect the devices in a daisy chain: connect the DMX OUT of one device to the DMX IN of the next. Do not split the line with Y-cables or wire it in a star; the line may be split only with a DMX splitter.
 - Connect the shield to pin 1 only. Do not connect the shield (ground) to the metal shell of the connector; this can cause short circuits or erratic behavior.
 - XLR pin assignment: pin 1 – shield (ground), pin 2 – Data- (Data Complement), pin 3 – Data+ (Data True). On 5-pin connectors, pins 4 and 5 are not connected; a 5-pin connector can be connected to a 3-pin one with a cable adapter.
 - Terminate the end of the line (for impedance matching): plug an XLR connector with a 120 Ω , ¼ W resistor between pins 2 and 3 into the DMX OUT of the last device. This reduces the risk of erratic

behavior.

- Connect no more than 32 devices to one DMX line. For more devices or longer runs, use a DMX splitter or booster.

Connector	Purpose
DMX IN (3-core)	DMX512 signal input
DMX OUT (3-core)	DMX512 signal output
Power IN	Mains power input
Power OUT	Mains power output

5 Operation

Switching on and off

- After powering on, wait for the fixture to reset, then press MENU to enter the main menu.

Control panel

Button	Function
MENU	Enter or return to the main menu
UP	Select a menu or increase the parameter value
DOWN	Select a menu function or decrease the parameter value
ENTER	Select a menu function and confirm/save modified parameters

Display menu

Code	Values	Function
A001	A001 ~ A512	Set DMX start address. Set the DMX address code between A001 and A512 using UP or DOWN, and press ENTER to save.
CH5	CH5, CH19, CH272	Switch DMX channel mode. Select the DMX channel mode (CH5, CH19, CH272) using UP or DOWN, and press ENTER to save.
P000	P000 ~ P255	Adjust motor speed. Adjust the motor speed between P000 and P255 using UP or DOWN, and press ENTER to save.
E000	E000 ~ E255	Select built-in effect. Select one of 127 built-in effects (E000 to E255) using UP or DOWN, and press ENTER to save.
S000	S000 ~ S255	Adjust built-in effect speed. Adjust the built-in effect speed between S000 and S255 using UP or DOWN, and press ENTER to save.
R255	R000 ~ R255	Adjust red LED brightness from R000 to R255 using UP or DOWN, and press ENTER to save.
G255	G000 ~ G255	Adjust green LED brightness from G000 to G255 using UP or DOWN, and press ENTER to save.
B255	B000 ~ B255	Adjust blue LED brightness from B000 to B255 using UP or DOWN, and press ENTER to save.
N000	N000 ~ N255	Adjust motor parameters between N000 and N255 using UP or DOWN, and press ENTER to save.
SOUD		Sound control.
T000		Display temperature. Displays the fixture temperature (e.g., T045 indicates 45 °C; if the 10K thermistor is not installed, T000 is displayed).
R255	R032 ~ R255	Adjust red lamp current. Adjust red LED current from R032 to R255 using UP or DOWN, and press ENTER to save.
G255	G032 ~ G255	Adjust green lamp current. Adjust green LED current from G032 to G255 using UP or DOWN, and press ENTER to save.

Code	Values	Function
B255	B032 ~ B255	Adjust blue lamp current. Adjust blue LED current from B032 to B255 using UP or DOWN, and press ENTER to save.
W255	W032 ~ W255	Adjust white lamp current. Adjust white LED current from W032 to W255 using UP or DOWN, and press ENTER to save.
N000	N000 ~ N255	Modify built-in effect. Change the built-in effect from N000 to N255 using UP or DOWN, and press ENTER to save.
FAN0	FAN0 ~ FAN1	Fan settings. Select FAN0 to start the fan immediately, or FAN1 to start the fan when reaching the set temperature protection threshold; press ENTER to save.
T040	T040 ~ T070	Adjust temperature parameters. Adjust the temperature threshold between 40 °C and 70 °C (T040 to T070) using UP or DOWN, and press ENTER to save.
Send		Send factory parameters to connected fixtures. Broadcast factory parameters to fixtures connected in parallel via 3-core signal cables. Confirming sends the parameters and exits after 5 seconds; press ENTER to cancel sending.

DMX mode

Controlled via a DMX512 signal console. When a signal is received, the address code stops flashing.

Sound mode

- Press MENU until SOUD is displayed.
- Press ENTER to confirm.

Auto mode

Runs built-in effects at an adjustable speed.

Static mode

Manual color mixing using independent red, green, and blue brightness controls.

Setting the DMX address

- Press MENU to access the menu.
- Use UP or DOWN to set the address code between A001 and A512.
- Press ENTER to confirm and save.
- The device occupies as many consecutive channels in the DMX universe as the selected DMX mode uses, starting at the set start address.
- Number of channels occupied in 272CH mode: 272.
- Choose start addresses so that the channels of individual devices do not overlap and the last occupied channel does not exceed 512. Devices with the same start address and mode respond identically.
- For several devices in a row in 272CH mode, you can use, for example, the start addresses 1, 273, 545, 817.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.

Selecting the DMX mode

- Press MENU to enter the menu.
- Use UP or DOWN to select CH5, CH19, or CH272.
- Press ENTER to confirm and save.

Master/Slave mode

- Set all fixtures to any address code between 001 and 512.
- Set one fixture as the host.
- Ensure the DMX512 console is turned off.
- In Master/Slave mode, one device (Master) controls the other devices (Slaves), which copy its

behavior in sync. No controller is needed.

- Connect the devices with DMX cable in a daisy chain, just as for control from a desk (DMX OUT to the DMX IN of the next device), and terminate the end of the line.
- On the master device, select the desired standalone mode (auto mode or sound mode, depending on the device), and set all other devices to Slave mode.
- Only one master device may be on the line; do not connect a DMX controller to the line in Master/Slave mode.
- For reliable synchronization, link only devices of the same type.

NOTE If the main menu interface is inactive for 30 seconds, it will automatically exit.

NOTE Current functional parameters are saved to non-volatile memory after pressing ENTER to save.

NOTE Only one host can be set in a Master/Slave configuration; if there are multiple hosts, all fixtures will flash and fail to synchronize.

NOTE All fixtures in Master/Slave mode operate only when the DMX512 console is powered off.

NOTE When connected to DMX, the address code stops flashing once the DMX512 console signal is received.

NOTE To reset via the DMX channel, first set the parameter value below 10, then set it to 150–255 to take effect. Values between 000 and 149 cannot trigger a reset.

6 DMX channels

Mode	Channels
5CH	5
19CH	19
272CH	272

Mode 5CH

CH	Function	DMX	Description
1	Red	0–255	Red linear adjustment 0-100%
2	Green	0–255	Green linear adjustment 0-100%
3	Blue	0–255	Blue linear adjustment 0-100%
4	Motor	0–255	Motor control
5	Reset	0–149	No function
		150–255	Reset (hold under 10 then push to 150-255)

Mode 19CH

CH	Function	DMX	Description
1	Dimmer	0–255	Master Dimmer 0-100%
2	Strobe	0–255	Strobe rate 1-30Hz
3	Outer Red	0–255	Outer ring red linear adjustment 0-100%
4	Outer Green	0–255	Outer ring green linear adjustment 0-100%
5	Outer Blue	0–255	Outer ring blue linear adjustment 0-100%
6	Outer Ring Effect	0–255	Outer circle mode effects 0-127
7	Outer Ring Speed	0–255	Outer circle effect speed slow to fast
8	Outer Ring Background Color	0–255	Outer circle background color
9	Outer Ring Background Module	0–255	Outer circle background color module
10	Inner Red	0–255	Inner ring red linear adjustment 0-100%
11	Inner Green	0–255	Inner ring green linear adjustment 0-100%
12	Inner Blue	0–255	Inner ring blue linear adjustment 0-100%
13	Inner Ring Effect	0–255	Inner circle mode effects 0-127
14	Inner Ring Speed	0–255	Inner circle effect speed slow to fast
15	Comprehensive Effect	0–255	Comprehensive inner/outer circle mode effects 0-127
16	Inner Ring Background Color	0–255	Inner circle background color
17	Inner Ring Background Module	0–255	Inner circle background color module
18	Motor	0–255	Motor control
19	Reset	0–149	No function
		150–255	Reset (hold under 10 then push to 150-255)

Mode 272CH

CH	Function	DMX	Description
1	Red 1	0–255	Red 1 0-100%
2	Green 1	0–255	Green 1 0-100%

CH	Function	DMX	Description
3	Blue 1	0-255	Blue 1 0-100%
4	Red 2	0-255	Red 2 0-100%
5	Green 2	0-255	Green 2 0-100%
6	Blue 2	0-255	Blue 2 0-100%
7	Red 3	0-255	Red 3 0-100%
8	Green 3	0-255	Green 3 0-100%
9	Blue 3	0-255	Blue 3 0-100%
10	Red 4	0-255	Red 4 0-100%
11	Green 4	0-255	Green 4 0-100%
12	Blue 4	0-255	Blue 4 0-100%
13	Red 5	0-255	Red 5 0-100%
14	Green 5	0-255	Green 5 0-100%
15	Blue 5	0-255	Blue 5 0-100%
16	Red 6	0-255	Red 6 0-100%
17	Green 6	0-255	Green 6 0-100%
18	Blue 6	0-255	Blue 6 0-100%
19	Red 7	0-255	Red 7 0-100%
20	Green 7	0-255	Green 7 0-100%
21	Blue 7	0-255	Blue 7 0-100%
22	Red 8	0-255	Red 8 0-100%
23	Green 8	0-255	Green 8 0-100%
24	Blue 8	0-255	Blue 8 0-100%
25	Red 9	0-255	Red 9 0-100%
26	Green 9	0-255	Green 9 0-100%
27	Blue 9	0-255	Blue 9 0-100%
28	Red 10	0-255	Red 10 0-100%
29	Green 10	0-255	Green 10 0-100%
30	Blue 10	0-255	Blue 10 0-100%
31	Red 11	0-255	Red 11 0-100%
32	Green 11	0-255	Green 11 0-100%
33	Blue 11	0-255	Blue 11 0-100%
34	Red 12	0-255	Red 12 0-100%
35	Green 12	0-255	Green 12 0-100%
36	Blue 12	0-255	Blue 12 0-100%
37	Red 13	0-255	Red 13 0-100%
38	Green 13	0-255	Green 13 0-100%
39	Blue 13	0-255	Blue 13 0-100%
40	Red 14	0-255	Red 14 0-100%
41	Green 14	0-255	Green 14 0-100%
42	Blue 14	0-255	Blue 14 0-100%
43	Red 15	0-255	Red 15 0-100%
44	Green 15	0-255	Green 15 0-100%

CH	Function	DMX	Description
45	Blue 15	0-255	Blue 15 0-100%
46	Red 16	0-255	Red 16 0-100%
47	Green 16	0-255	Green 16 0-100%
48	Blue 16	0-255	Blue 16 0-100%
49	Red 17	0-255	Red 17 0-100%
50	Green 17	0-255	Green 17 0-100%
51	Blue 17	0-255	Blue 17 0-100%
52	Red 18	0-255	Red 18 0-100%
53	Green 18	0-255	Green 18 0-100%
54	Blue 18	0-255	Blue 18 0-100%
55	Red 19	0-255	Red 19 0-100%
56	Green 19	0-255	Green 19 0-100%
57	Blue 19	0-255	Blue 19 0-100%
58	Red 20	0-255	Red 20 0-100%
59	Green 20	0-255	Green 20 0-100%
60	Blue 20	0-255	Blue 20 0-100%
61	Red 21	0-255	Red 21 0-100%
62	Green 21	0-255	Green 21 0-100%
63	Blue 21	0-255	Blue 21 0-100%
64	Red 22	0-255	Red 22 0-100%
65	Green 22	0-255	Green 22 0-100%
66	Blue 22	0-255	Blue 22 0-100%
67	Red 23	0-255	Red 23 0-100%
68	Green 23	0-255	Green 23 0-100%
69	Blue 23	0-255	Blue 23 0-100%
70	Red 24	0-255	Red 24 0-100%
71	Green 24	0-255	Green 24 0-100%
72	Blue 24	0-255	Blue 24 0-100%
73	Red 25	0-255	Red 25 0-100%
74	Green 25	0-255	Green 25 0-100%
75	Blue 25	0-255	Blue 25 0-100%
76	Red 26	0-255	Red 26 0-100%
77	Green 26	0-255	Green 26 0-100%
78	Blue 26	0-255	Blue 26 0-100%
79	Red 27	0-255	Red 27 0-100%
80	Green 27	0-255	Green 27 0-100%
81	Blue 27	0-255	Blue 27 0-100%
82	Red 28	0-255	Red 28 0-100%
83	Green 28	0-255	Green 28 0-100%
84	Blue 28	0-255	Blue 28 0-100%
85	Red 29	0-255	Red 29 0-100%
86	Green 29	0-255	Green 29 0-100%

CH	Function	DMX	Description
87	Blue 29	0–255	Blue 29 0-100%
88	Red 30	0–255	Red 30 0-100%
89	Green 30	0–255	Green 30 0-100%
90	Blue 30	0–255	Blue 30 0-100%
91	Red 31	0–255	Red 31 0-100%
92	Green 31	0–255	Green 31 0-100%
93	Blue 31	0–255	Blue 31 0-100%
94	Red 32	0–255	Red 32 0-100%
95	Green 32	0–255	Green 32 0-100%
96	Blue 32	0–255	Blue 32 0-100%
97	Red 33	0–255	Red 33 0-100%
98	Green 33	0–255	Green 33 0-100%
99	Blue 33	0–255	Blue 33 0-100%
100	Red 34	0–255	Red 34 0-100%
101	Green 34	0–255	Green 34 0-100%
102	Blue 34	0–255	Blue 34 0-100%
103	Red 35	0–255	Red 35 0-100%
104	Green 35	0–255	Green 35 0-100%
105	Blue 35	0–255	Blue 35 0-100%
106	Red 36	0–255	Red 36 0-100%
107	Green 36	0–255	Green 36 0-100%
108	Blue 36	0–255	Blue 36 0-100%
109	Red 37	0–255	Red 37 0-100%
110	Green 37	0–255	Green 37 0-100%
111	Blue 37	0–255	Blue 37 0-100%
112	Red 38	0–255	Red 38 0-100%
113	Green 38	0–255	Green 38 0-100%
114	Blue 38	0–255	Blue 38 0-100%
115	Red 39	0–255	Red 39 0-100%
116	Green 39	0–255	Green 39 0-100%
117	Blue 39	0–255	Blue 39 0-100%
118	Red 40	0–255	Red 40 0-100%
119	Green 40	0–255	Green 40 0-100%
120	Blue 40	0–255	Blue 40 0-100%
121	Red 41	0–255	Red 41 0-100%
122	Green 41	0–255	Green 41 0-100%
123	Blue 41	0–255	Blue 41 0-100%
124	Red 42	0–255	Red 42 0-100%
125	Green 42	0–255	Green 42 0-100%
126	Blue 42	0–255	Blue 42 0-100%
127	Red 43	0–255	Red 43 0-100%
128	Green 43	0–255	Green 43 0-100%

CH	Function	DMX	Description
129	Blue 43	0-255	Blue 43 0-100%
130	Red 44	0-255	Red 44 0-100%
131	Green 44	0-255	Green 44 0-100%
132	Blue 44	0-255	Blue 44 0-100%
133	Red 45	0-255	Red 45 0-100%
134	Green 45	0-255	Green 45 0-100%
135	Blue 45	0-255	Blue 45 0-100%
136	Red 46	0-255	Red 46 0-100%
137	Green 46	0-255	Green 46 0-100%
138	Blue 46	0-255	Blue 46 0-100%
139	Red 47	0-255	Red 47 0-100%
140	Green 47	0-255	Green 47 0-100%
141	Blue 47	0-255	Blue 47 0-100%
142	Red 48	0-255	Red 48 0-100%
143	Green 48	0-255	Green 48 0-100%
144	Blue 48	0-255	Blue 48 0-100%
145	Red 49	0-255	Red 49 0-100%
146	Green 49	0-255	Green 49 0-100%
147	Blue 49	0-255	Blue 49 0-100%
148	Red 50	0-255	Red 50 0-100%
149	Green 50	0-255	Green 50 0-100%
150	Blue 50	0-255	Blue 50 0-100%
151	Red 51	0-255	Red 51 0-100%
152	Green 51	0-255	Green 51 0-100%
153	Blue 51	0-255	Blue 51 0-100%
154	Red 52	0-255	Red 52 0-100%
155	Green 52	0-255	Green 52 0-100%
156	Blue 52	0-255	Blue 52 0-100%
157	Red 53	0-255	Red 53 0-100%
158	Green 53	0-255	Green 53 0-100%
159	Blue 53	0-255	Blue 53 0-100%
160	Red 54	0-255	Red 54 0-100%
161	Green 54	0-255	Green 54 0-100%
162	Blue 54	0-255	Blue 54 0-100%
163	Red 55	0-255	Red 55 0-100%
164	Green 55	0-255	Green 55 0-100%
165	Blue 55	0-255	Blue 55 0-100%
166	Red 56	0-255	Red 56 0-100%
167	Green 56	0-255	Green 56 0-100%
168	Blue 56	0-255	Blue 56 0-100%
169	Red 57	0-255	Red 57 0-100%
170	Green 57	0-255	Green 57 0-100%

CH	Function	DMX	Description
171	Blue 57	0–255	Blue 57 0-100%
172	Red 58	0–255	Red 58 0-100%
173	Green 58	0–255	Green 58 0-100%
174	Blue 58	0–255	Blue 58 0-100%
175	Red 59	0–255	Red 59 0-100%
176	Green 59	0–255	Green 59 0-100%
177	Blue 59	0–255	Blue 59 0-100%
178	Red 60	0–255	Red 60 0-100%
179	Green 60	0–255	Green 60 0-100%
180	Blue 60	0–255	Blue 60 0-100%
181	Red 61	0–255	Red 61 0-100%
182	Green 61	0–255	Green 61 0-100%
183	Blue 61	0–255	Blue 61 0-100%
184	Red 62	0–255	Red 62 0-100%
185	Green 62	0–255	Green 62 0-100%
186	Blue 62	0–255	Blue 62 0-100%
187	Red 63	0–255	Red 63 0-100%
188	Green 63	0–255	Green 63 0-100%
189	Blue 63	0–255	Blue 63 0-100%
190	Red 64	0–255	Red 64 0-100%
191	Green 64	0–255	Green 64 0-100%
192	Blue 64	0–255	Blue 64 0-100%
193	Red 65	0–255	Red 65 0-100%
194	Green 65	0–255	Green 65 0-100%
195	Blue 65	0–255	Blue 65 0-100%
196	Red 66	0–255	Red 66 0-100%
197	Green 66	0–255	Green 66 0-100%
198	Blue 66	0–255	Blue 66 0-100%
199	Red 67	0–255	Red 67 0-100%
200	Green 67	0–255	Green 67 0-100%
201	Blue 67	0–255	Blue 67 0-100%
202	Red 68	0–255	Red 68 0-100%
203	Green 68	0–255	Green 68 0-100%
204	Blue 68	0–255	Blue 68 0-100%
205	Red 69	0–255	Red 69 0-100%
206	Green 69	0–255	Green 69 0-100%
207	Blue 69	0–255	Blue 69 0-100%
208	Red 70	0–255	Red 70 0-100%
209	Green 70	0–255	Green 70 0-100%
210	Blue 70	0–255	Blue 70 0-100%
211	Red 71	0–255	Red 71 0-100%
212	Green 71	0–255	Green 71 0-100%

CH	Function	DMX	Description
213	Blue 71	0–255	Blue 71 0-100%
214	Red 72	0–255	Red 72 0-100%
215	Green 72	0–255	Green 72 0-100%
216	Blue 72	0–255	Blue 72 0-100%
217	Red 73	0–255	Red 73 0-100%
218	Green 73	0–255	Green 73 0-100%
219	Blue 73	0–255	Blue 73 0-100%
220	Red 74	0–255	Red 74 0-100%
221	Green 74	0–255	Green 74 0-100%
222	Blue 74	0–255	Blue 74 0-100%
223	Red 75	0–255	Red 75 0-100%
224	Green 75	0–255	Green 75 0-100%
225	Blue 75	0–255	Blue 75 0-100%
226	Red 76	0–255	Red 76 0-100%
227	Green 76	0–255	Green 76 0-100%
228	Blue 76	0–255	Blue 76 0-100%
229	Red 77	0–255	Red 77 0-100%
230	Green 77	0–255	Green 77 0-100%
231	Blue 77	0–255	Blue 77 0-100%
232	Red 78	0–255	Red 78 0-100%
233	Green 78	0–255	Green 78 0-100%
234	Blue 78	0–255	Blue 78 0-100%
235	Red 79	0–255	Red 79 0-100%
236	Green 79	0–255	Green 79 0-100%
237	Blue 79	0–255	Blue 79 0-100%
238	Red 80	0–255	Red 80 0-100%
239	Green 80	0–255	Green 80 0-100%
240	Blue 80	0–255	Blue 80 0-100%
241	Red 81	0–255	Red 81 0-100%
242	Green 81	0–255	Green 81 0-100%
243	Blue 81	0–255	Blue 81 0-100%
244	Red 82	0–255	Red 82 0-100%
245	Green 82	0–255	Green 82 0-100%
246	Blue 82	0–255	Blue 82 0-100%
247	Red 83	0–255	Red 83 0-100%
248	Green 83	0–255	Green 83 0-100%
249	Blue 83	0–255	Blue 83 0-100%
250	Red 84	0–255	Red 84 0-100%
251	Green 84	0–255	Green 84 0-100%
252	Blue 84	0–255	Blue 84 0-100%
253	Red 85	0–255	Red 85 0-100%
254	Green 85	0–255	Green 85 0-100%

CH	Function	DMX	Description
255	Blue 85	0–255	Blue 85 0-100%
256	Red 86	0–255	Red 86 0-100%
257	Green 86	0–255	Green 86 0-100%
258	Blue 86	0–255	Blue 86 0-100%
259	Red 87	0–255	Red 87 0-100%
260	Green 87	0–255	Green 87 0-100%
261	Blue 87	0–255	Blue 87 0-100%
262	Red 88	0–255	Red 88 0-100%
263	Green 88	0–255	Green 88 0-100%
264	Blue 88	0–255	Blue 88 0-100%
265	Red 89	0–255	Red 89 0-100%
266	Green 89	0–255	Green 89 0-100%
267	Blue 89	0–255	Blue 89 0-100%
268	Red 90	0–255	Red 90 0-100%
269	Green 90	0–255	Green 90 0-100%
270	Blue 90	0–255	Blue 90 0-100%
271	Motor	0–255	Motor control
272	Reset	0–149	No function
		150–255	Reset (hold under 10 then push to 150-255)

7 Technical specifications

Parameter	Value
Light source	576x RGB SMD5050 LED diodes
Dimming	linear, 0-100% (32-bit)
Strobe	1-30 Hz
Operating modes	Auto, Sound, Master/Slave, DMX
DMX channels	5 / 19 / 272
DMX connection	3-pin IN/OUT
Controls	LCD display
Power supply	230 V AC, 50/60 Hz, PowerCon IN/OUT
Power	150 W
Dimensions	695 x 605 x 80 mm
Weight	10700 g
Frame material	kov
Frame color	black
Bracket	yes
Number of arms	6
Arm length	46 cm
Ingress protection	IP20
Recommended operating temperature	-30°C - +50°C

8 Maintenance and cleaning

- Before cleaning and maintenance, switch the device off, disconnect it from the power supply and let it cool down.
- Clean the housing with a soft, dry or slightly damp cloth. Do not use solvents, abrasive cleaners or pressure washers, and make sure no liquid gets into the device.
- Clean optical parts (lenses, front glass), if the device has any, with a soft lint-free cloth and a cleaner intended for optics or glass.
- Regularly inspect the housing, cables, connectors and fixings. Have damaged parts replaced by a service center.
- How often to clean depends on the environment; dust, smoke and fog make the device dirty much faster.

9 Troubleshooting

- The device does not switch on – check the supply voltage, the cables and the fuse, if the device has one.
- The device does not respond to DMX – check the start address, the selected DMX mode and whether it matches the profile in the controller, the cable connection to DMX IN, and the controller output (universe).
- The device behaves erratically or flickers – check the terminator at the end of the line, the condition and wiring of the cables (shield on pin 1 only), the number of devices on the line (32 at most), and that the line is not split without a splitter.
- Only some devices on the line respond – check the cable and connectors between the last working

and the first non-working device, and make sure all devices on the line are switched on.

- Devices respond to the wrong channels or affect each other – check that the addresses do not overlap and that the DMX mode on the devices matches the patch in the controller.
- The device or the connected load does not light up although it receives DMX – check the values of the dimmer, shutter and strobe channels against the DMX channel table.

10 Disposal

The crossed-out wheeled bin symbol on the product, in the manual or on the packaging means that the product must not be disposed of with unsorted household waste at the end of its life.

Take the end-of-life equipment to a collection point, for example a municipal collection site or a retailer. Proper disposal enables materials to be recycled and helps prevent possible negative effects on the environment and human health.

Follow the regulations applicable in your country; in the Czech Republic, take-back is governed by Act No. 542/2020 Coll., on End-of-Life Products.

SOH Sound & Lights s.r.o. provides take-back through the collective compliance scheme ASEKOL a.s. (Československého exilu 2062/8, 143 00 Praha 4 – Modřany, www.asekol.cz).

Recycle the packaging materials according to their type.

11 Warranty and service

For products purchased from SOH, a buyer who is a consumer may, under the Czech Civil Code, notify the seller of a defect that becomes apparent within 24 months of taking delivery; this statutory right is not affected by any warranty. Defect claims for these products and out-of-warranty repairs are handled by sending the goods to SOH's premises or bringing them in person: SOH, Antala Staška 242/14, 140 00 Praha 4, Czech Republic. Further information (in Czech) is available at eshop.soh.cz/casto-kladene-otazky.

Statutory rights in respect of defects and the warranty are governed by applicable law and the seller's terms and conditions.

Submit any claim to the seller from whom you purchased the product. Enclose proof of purchase and as precise a description of the fault as possible.

Neither the statutory rights nor the warranty cover defects caused by the buyer, for example by installation or operation contrary to this manual, mechanical damage or unskilled tampering. Wear caused by normal use is not a defect either.

Service and technical support are provided by SOH Sound & Lights s.r.o., Antala Staška 242/14, 140 00 Praha 4.

Company ID: 07894791

Web: www.soh.cz

Email: servis@soh.cz

Phone: +420 272 272 500